

Figure 1.

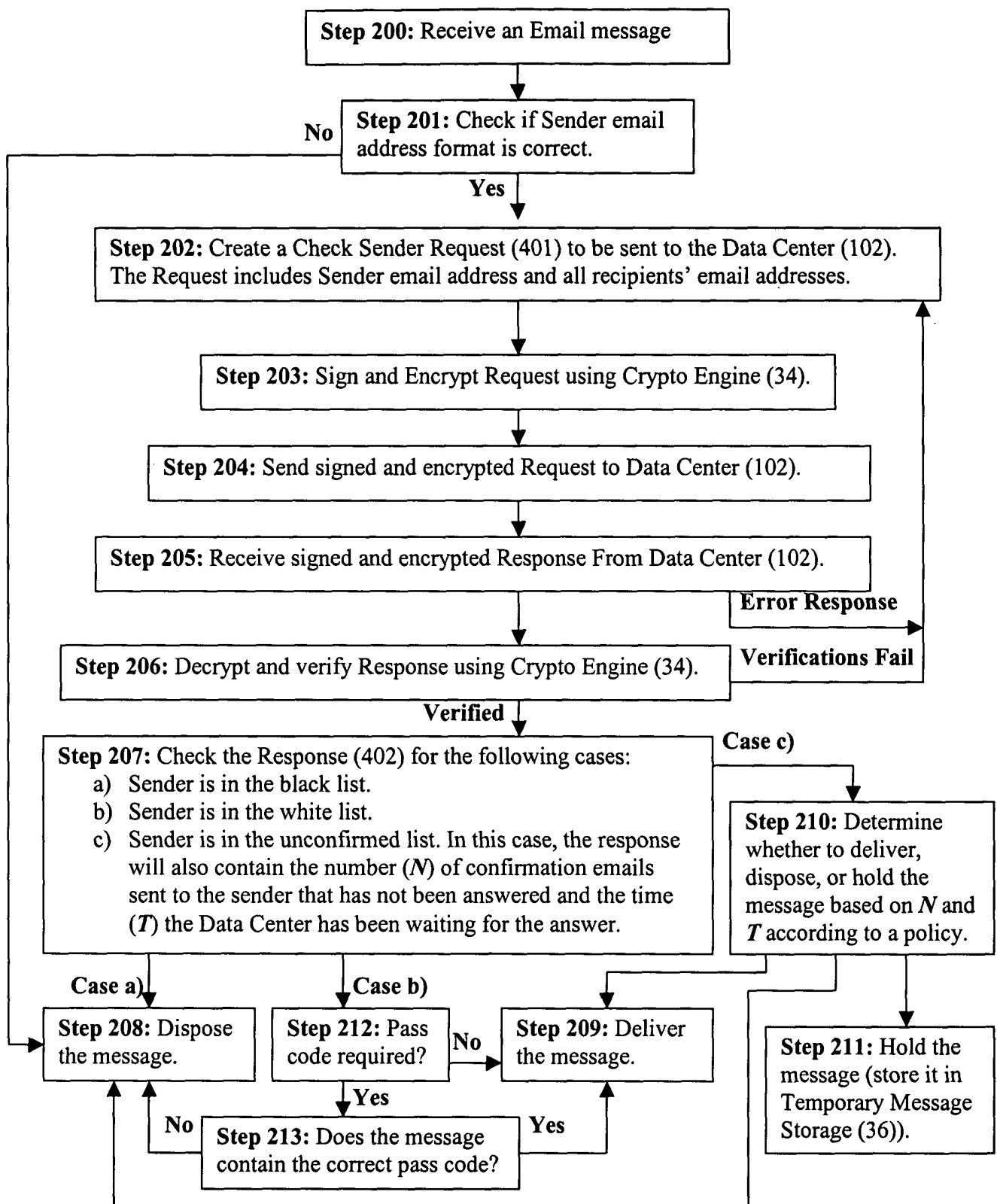


Figure 2

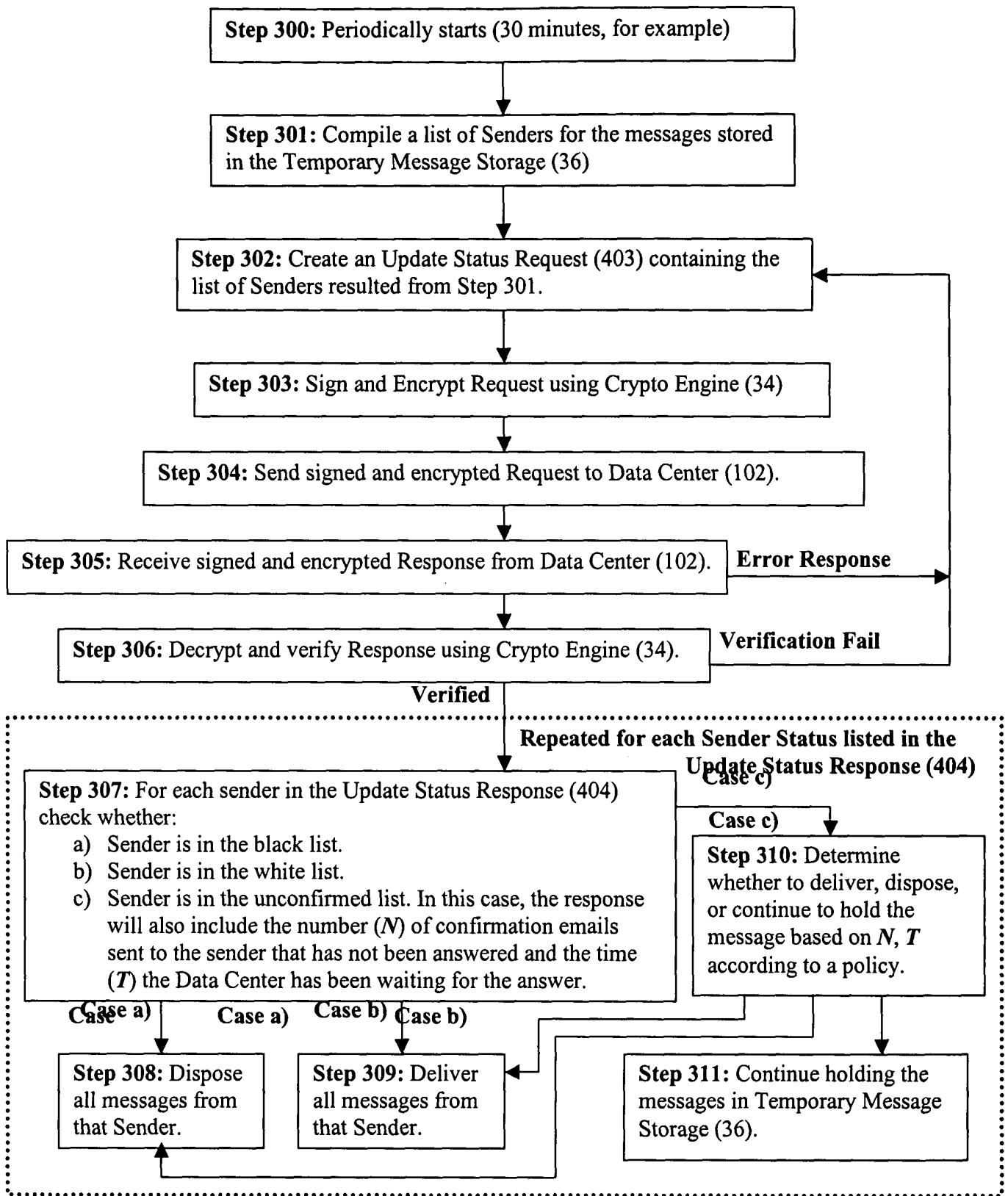


Figure 3

Spam Filter Sends:

Check Sender Request (401)

SPAM Filter Type
Sender Email Address
Subject
Time
Number of Recipients
List of Recipients (Each item includes Recipient's email address and recipient type, such as To, Cc, or Bcc.)
Random Number

Data Center Returns:

Sender Status Response (402)

Sender Email Address
Sender Status (in white list, in black list, or in unconfirmed list)
Number (N) of unanswered confirmation emails. (Present only when Sender is in the unconfirmed list)
The maximum time (T) the data center has been waiting for the answer to the confirmation emails. (Present only when Sender is in the unconfirmed list)
Pass code (present when pass code is required for the white list sender).
Random Number

Spam Filter Sends:

Update Status Request (403)

SPAM Filter Type
Number of Senders
List of Senders
Random Number

Data Center Returns:

Update Status Response (404)

Number of Senders
List of Sender Status. Each item contains the same data items in Sender Status Response (402) except the Random Number.
Random Number

Figure 4

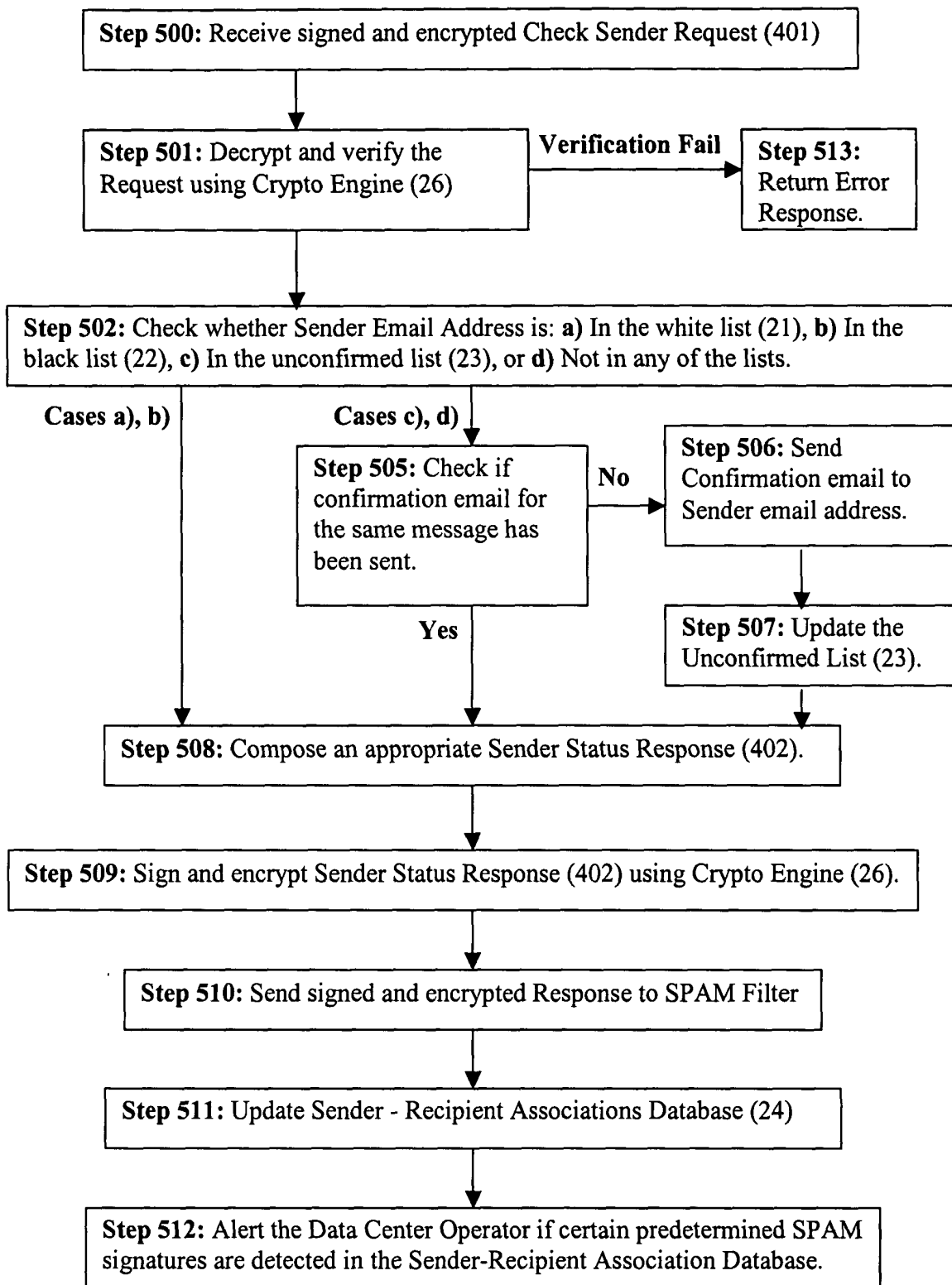


Figure 5

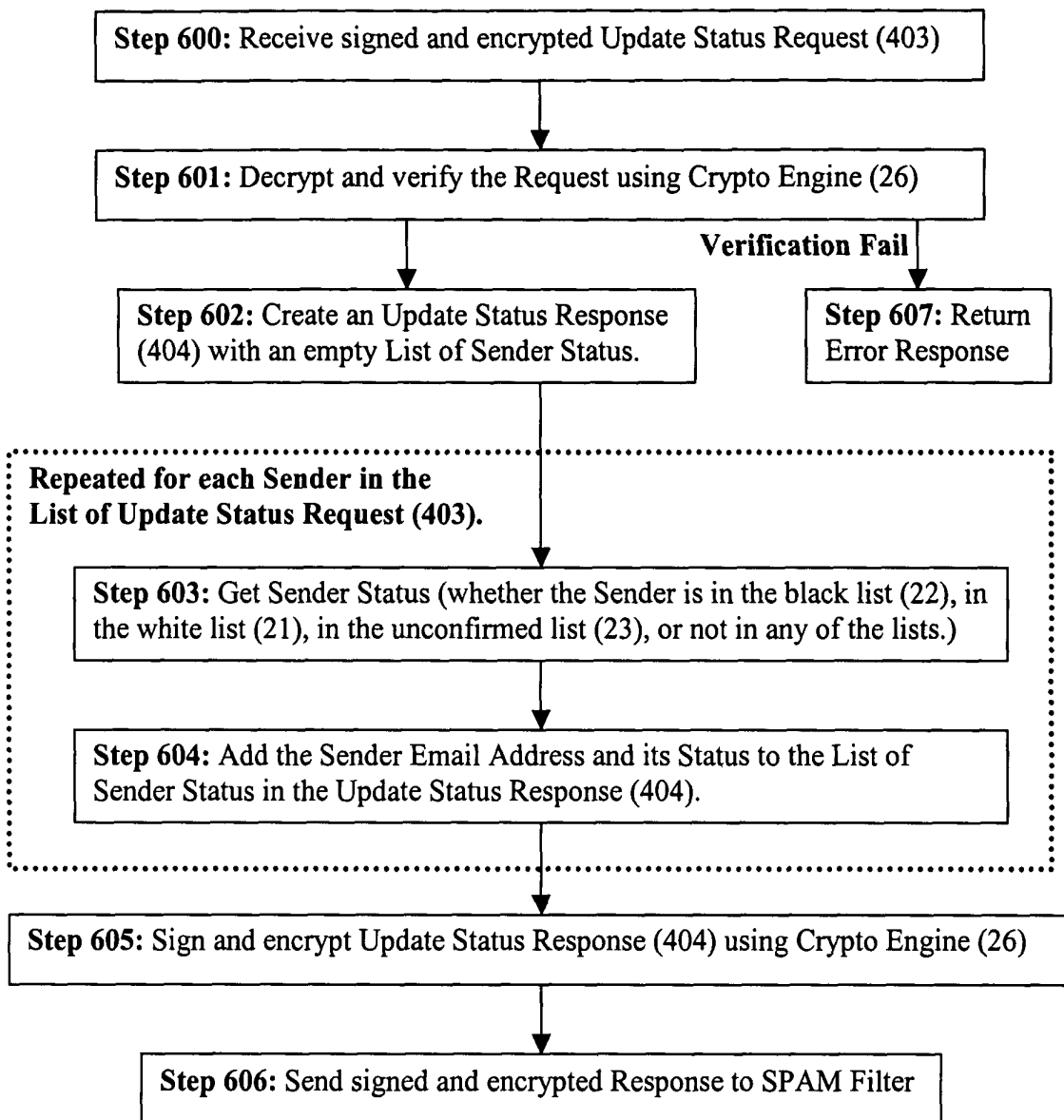


Figure 6

From: antispamcenter@zixcorp.com
Sent: Friday, April 25, 2003 10:39 AM
To: john@example.com
Subject: Re: Conference call schedule

Your email message titled "Conference call schedule" sent at Friday, April 25, 2003 10:25 AM has been held temporarily and will not be delivered to those recipients who use Zix SPAM filter. The reason is because you are not currently in the trusted sender database. To be added to the database, click the following hyperlink and enter the authorization code below. Your original message will be delivered and you will be added to the trusted sender database. After that, you will not receive any more notices like this one and your future messages will be immediately delivered to all recipients.

<http://antispam.zixcorp.com/antispam.cgi?id=8afc2389cb98d401>

Authorization Code:

145920

Figure 7

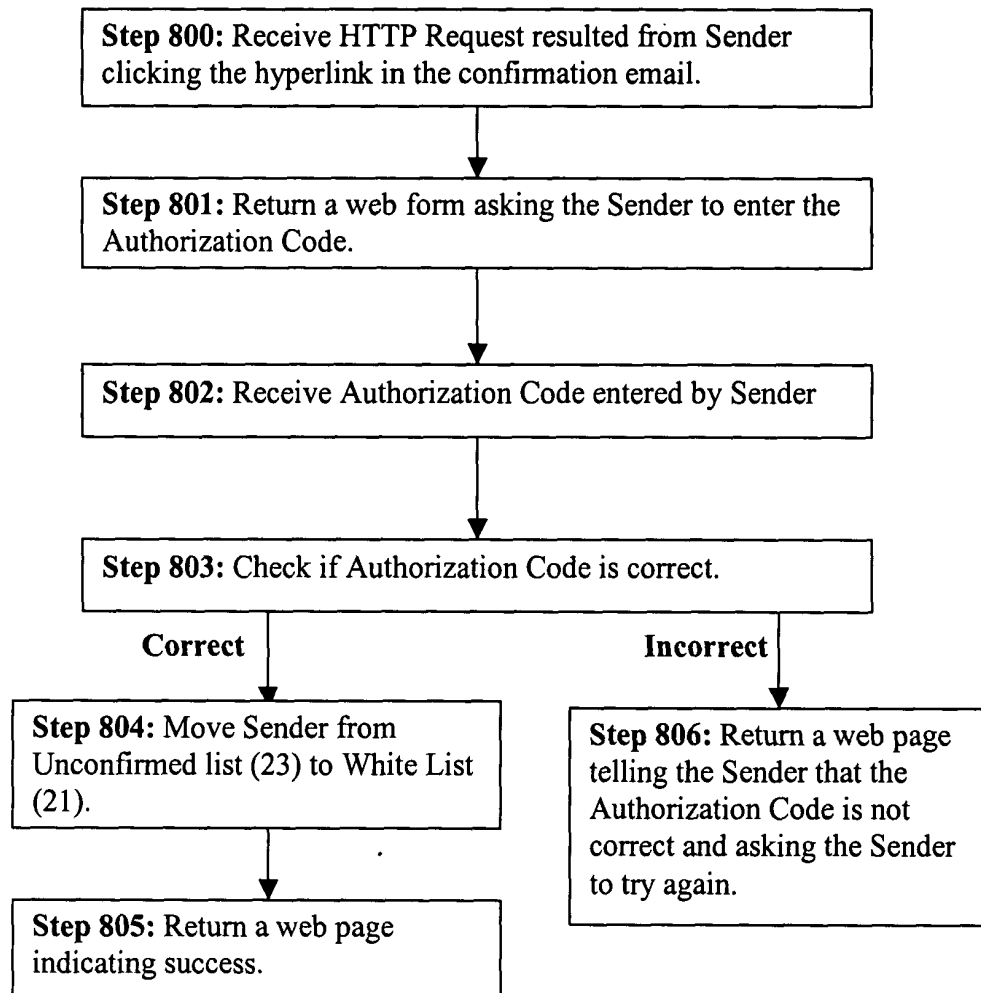


Figure 8 (Sender Response Processor)

Email notice sent when the pass code requirement is turned on

From: antispamcenter@zixcorp.com
Sent: Friday, April 25, 2003 10:39 AM
To: john@example.com
Subject: Pass code required

According to user complaints and the data we collected, a large number of unsolicited email messages appear to be sent from your email address john@example.com. It is possible that a spammer is sending out spams pretending to be from your email address. In order to filter out spams while letting your messages to go through, you need to include the following pass code on the first line of every email message you send out. The pass code will allow your messages to pass through the Zix SPAM filters while blocking spammer's messages pretending to be from you. Please note, a message sent without the correct pass code will be blocked by the Zix SPAM filters.

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From the following site, you may download plug-ins that will automatically insert the pass code into every message you send out. The plug-in will put the pass code in a header of the email message, instead of on the first line, so that it will not be seen by the recipient.

<http://www.zixcorp.com/antispam/download.html>

Email notice sent when the pass code requirement is turned off

From: antispamcenter@zixcorp.com
Sent: Friday, April 25, 2003 10:39 AM
To: john@example.com
Subject: Pass code not required any more

We are pleased to inform you that the spammer who has been sending spams pretending to be from your emails address has been tracked down and his ISP has terminated his account. He is not sending any more spams pretending to be from your email address. As a result, we have turned off the pass code requirement on your email address. You do not have to include the pass code in your email messages any more.

Figure 9